

ABSTRACT OF THE INVENTION

There is provided a radar system for protecting a radar compartment from a transmitted radar beam. The radar system comprises an antenna having a transmitter surface for transmitting the radar beam. There is further provided a protective member having an outer protective surface. This protective member is externally located adjacent the antenna for protecting the radar compartment from the transmitted radar beam. In addition, an alignment member is disposed between the antenna and the protective member. The alignment member is sized and configured to align the transmitter surface towards the outer protective surface for guiding the transmission of the radar beam therethrough. By featuring these components in such an arrangement, an operating frequency of any portion of the transmitted radar beam which diffracts from the outer protective surface can be mitigated to protect the radar compartment therefrom.